

Active Recombinant Mouse PSMA protein, His-tagged

Cat. No. PSMA-0645M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse PSMA protein(Ile44-Ala752), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	44-752 a.a.
Form	Lyophilized from 0.22 µm filtered solution in MES and NaCl. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Measured by its ability to hydrolyze the substrate N-acetyl-L-Asp-L-Glu into N-acetyl-L-Asp and L-Glu. The L-Glu product is measured by fluorescence after its derivatization by ortho-phthaldialdehyde. The specific activity is >350 pmol/min/µg, as measured under the described conditions.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 81.5 kDa. The protein migrates as 90-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ile44-Ala752
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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